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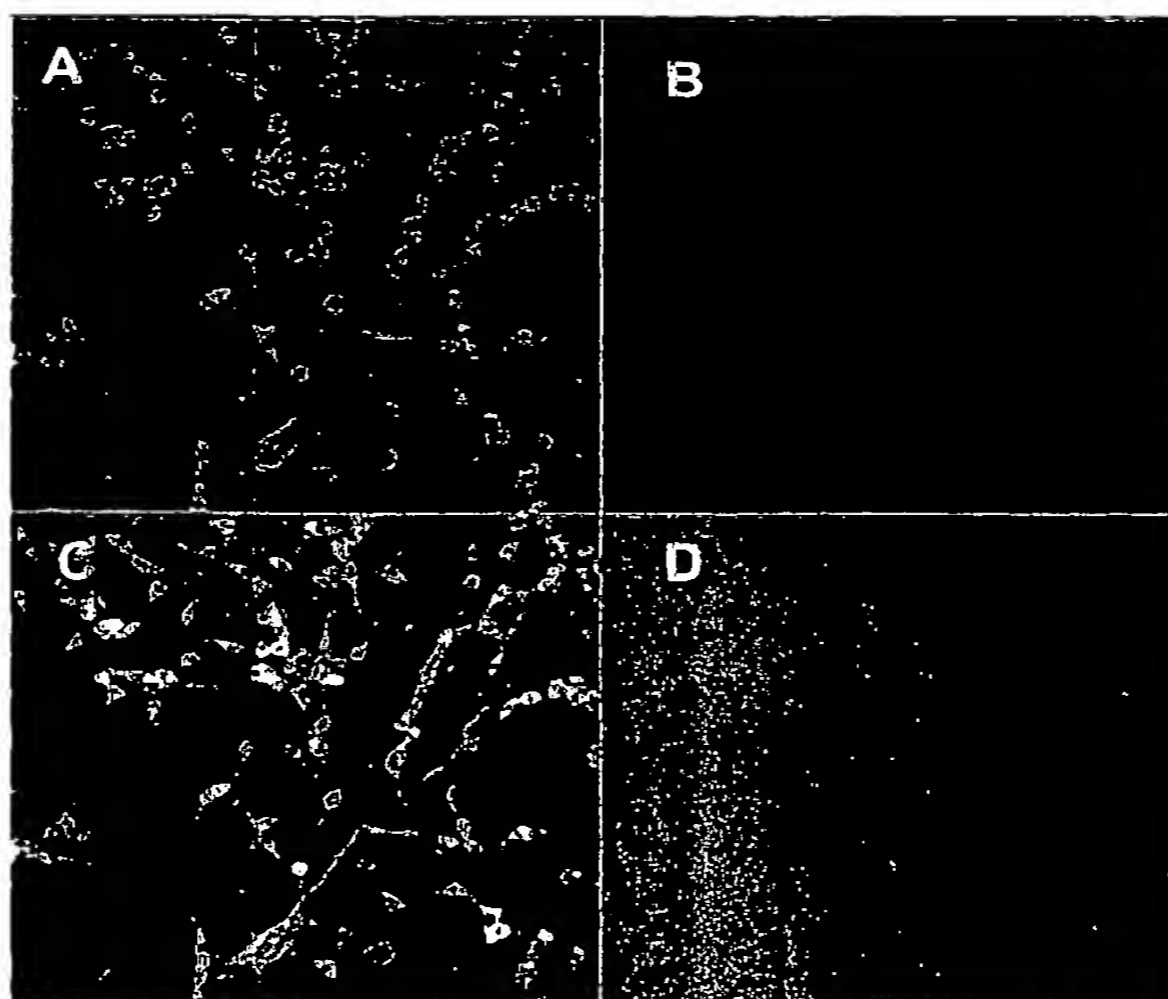
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(54) Title: MONOCLONAL ANTIBODY IMAGING AND THERAPY OF TUMORS THAT EXPRESS MET AND BIND HEPATOCYTE GROWTH FACTOR



(57) Abstract: In a wide variety of human solid tumors, an aggressive, metastatic phenotype and poor clinical prognosis are associated with expression of the receptor tyrosine kinase Met and its agonist ligand HGF. Disclosed herein are (a) mAbs and hybridoma cell lines that produce them, which mAbs antibodies are specific for Met and (b) combinations of anti-Met and anti-HGF mAbs. When detectably labeled, these antibodies are useful for imaging such tumors. Anti-Met mAb compositions and methods for scintigraphic detection, diagnosis, prognosis, monitoring and therapy of Met-bearing tumors are provided.

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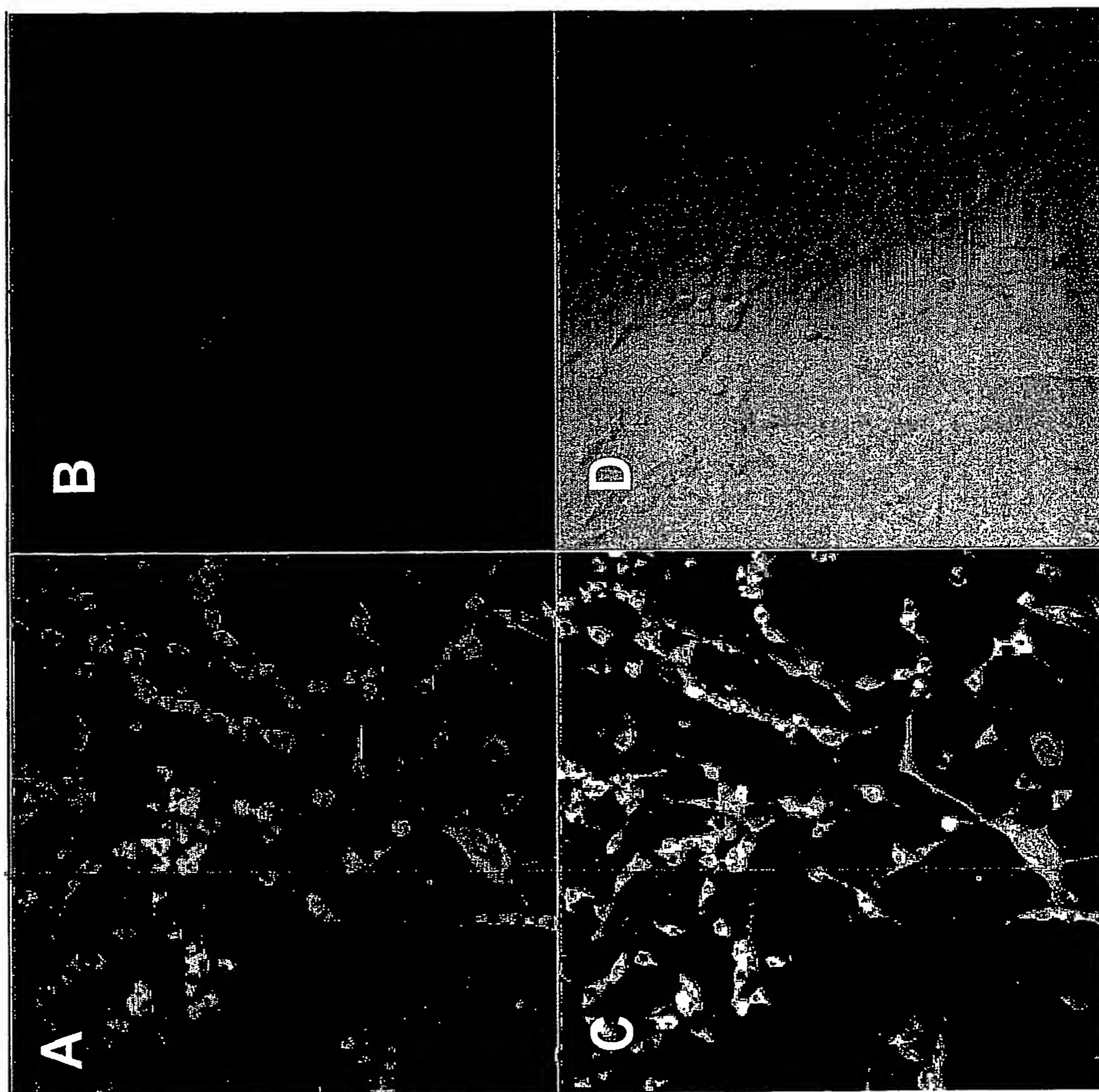


Fig. 1

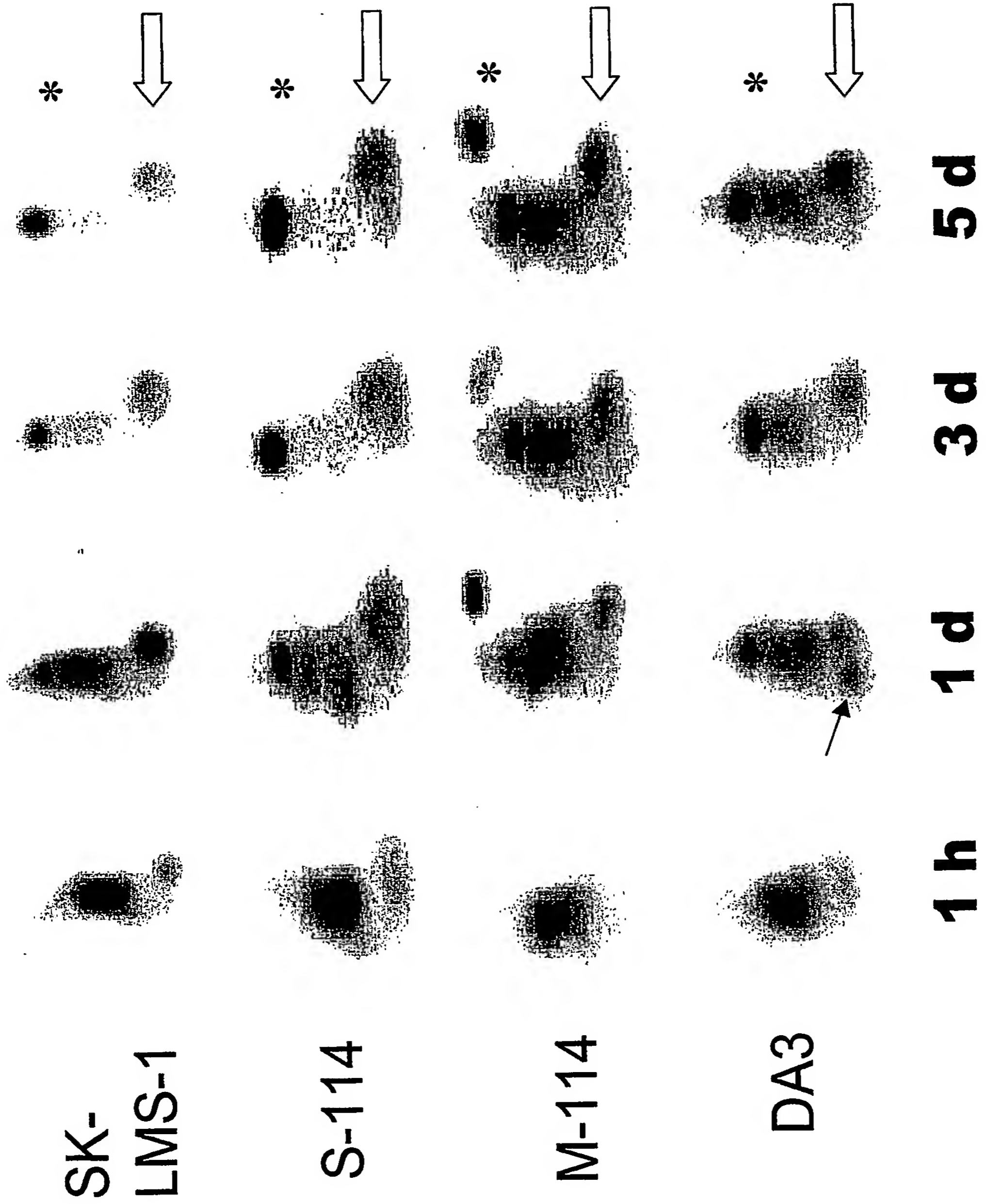


Fig. 2

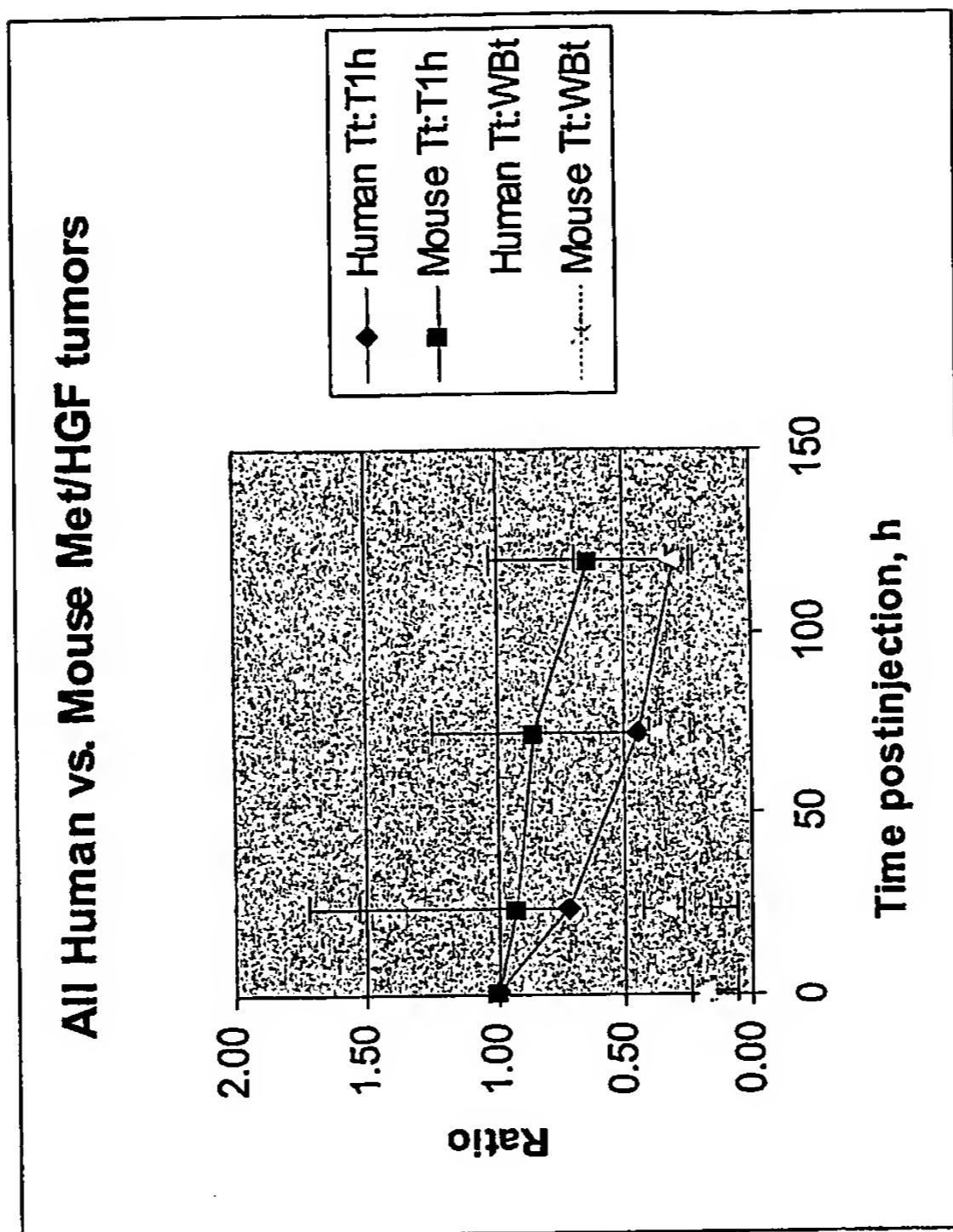


Fig. 3B

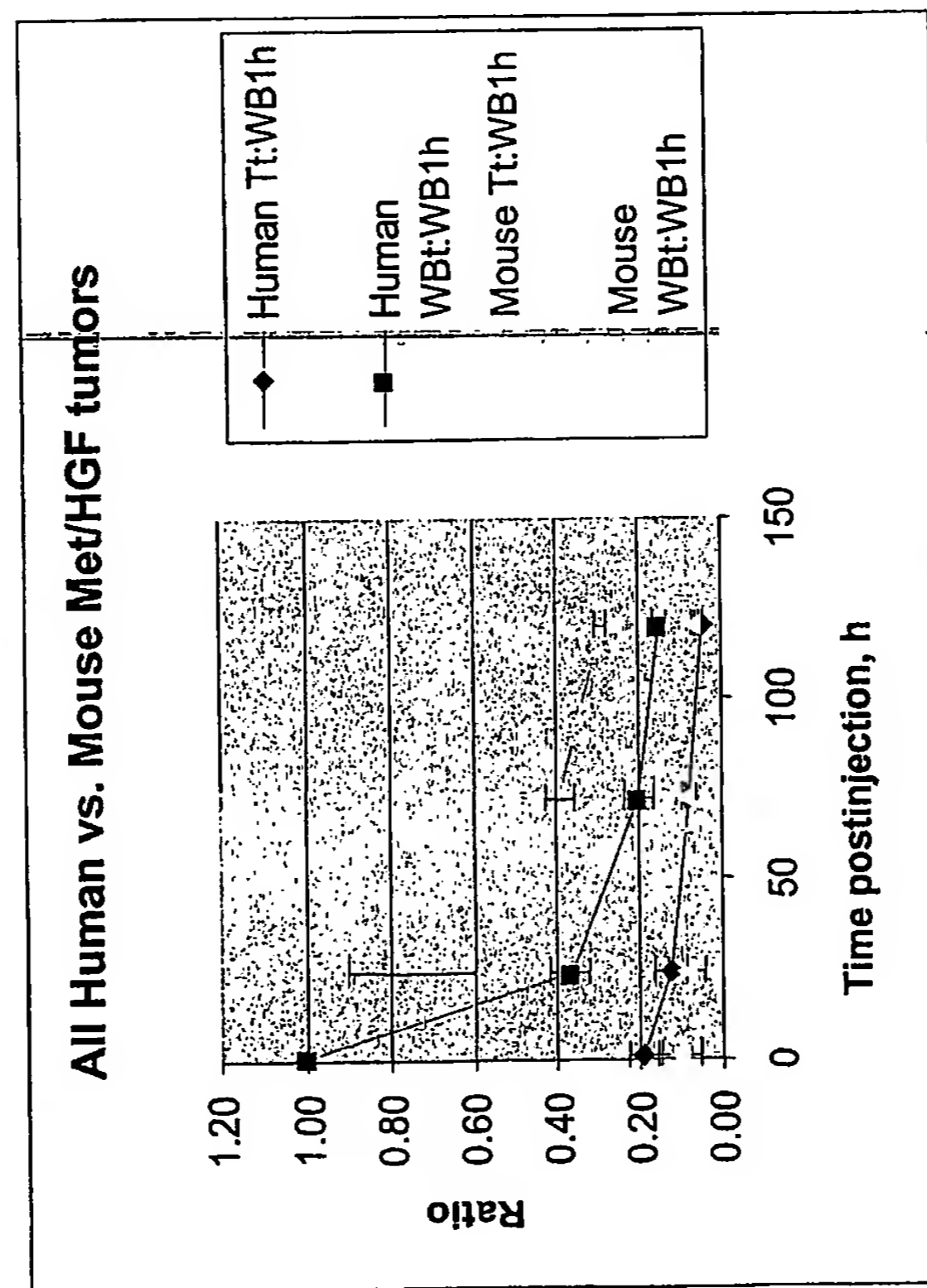


Fig. 3A

Potential mechanisms of *MAb binding to tumor cells

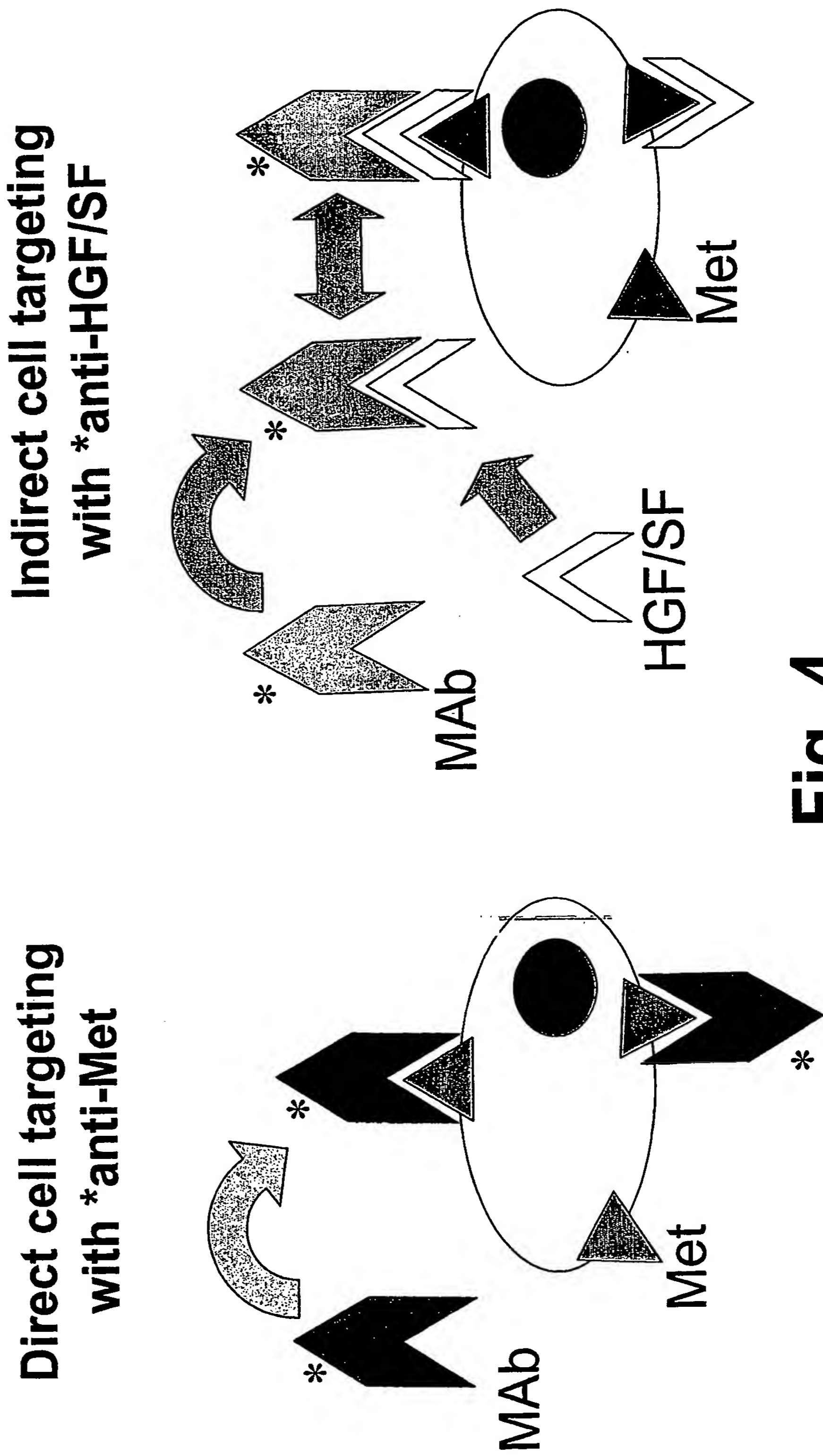
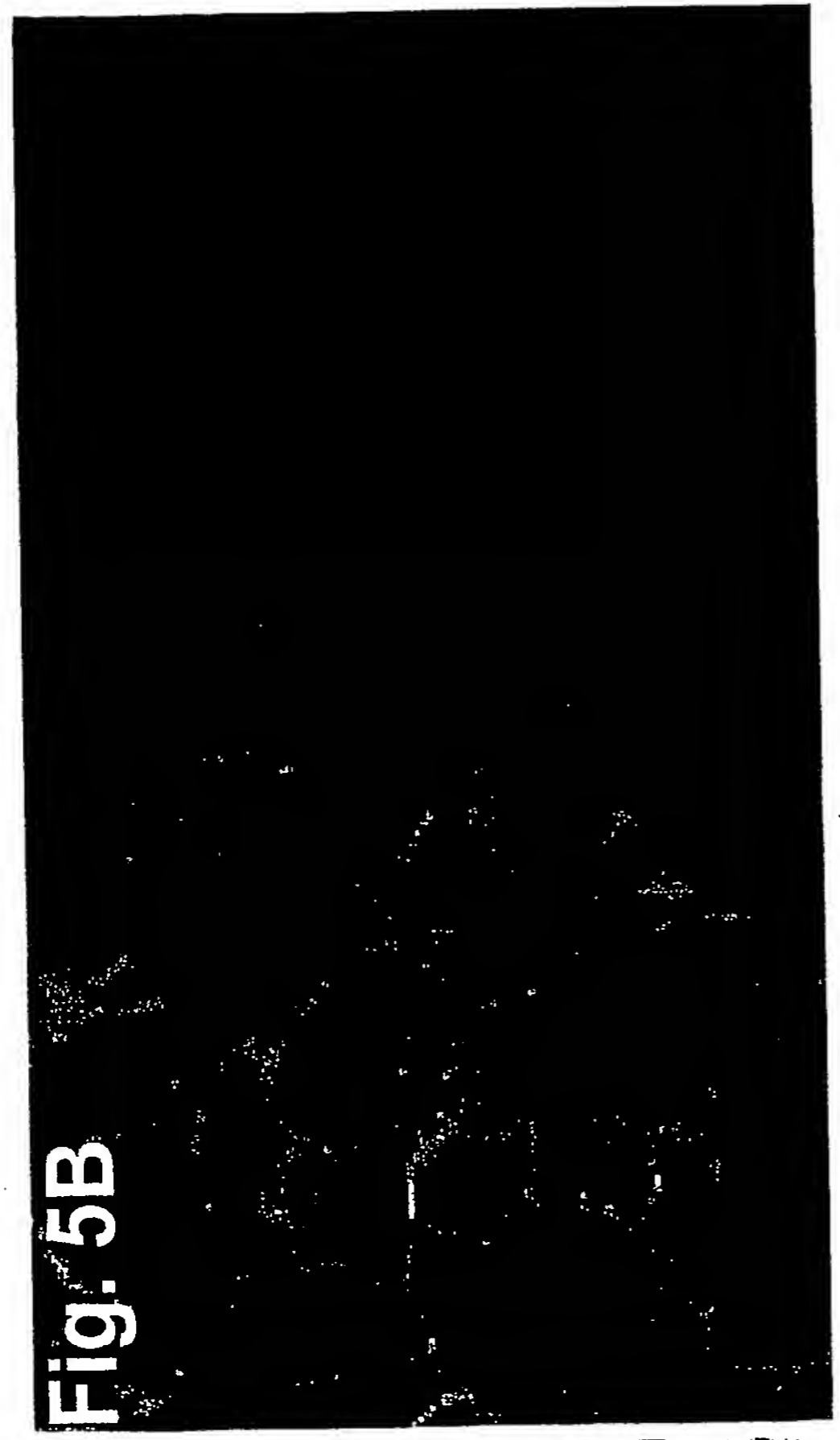
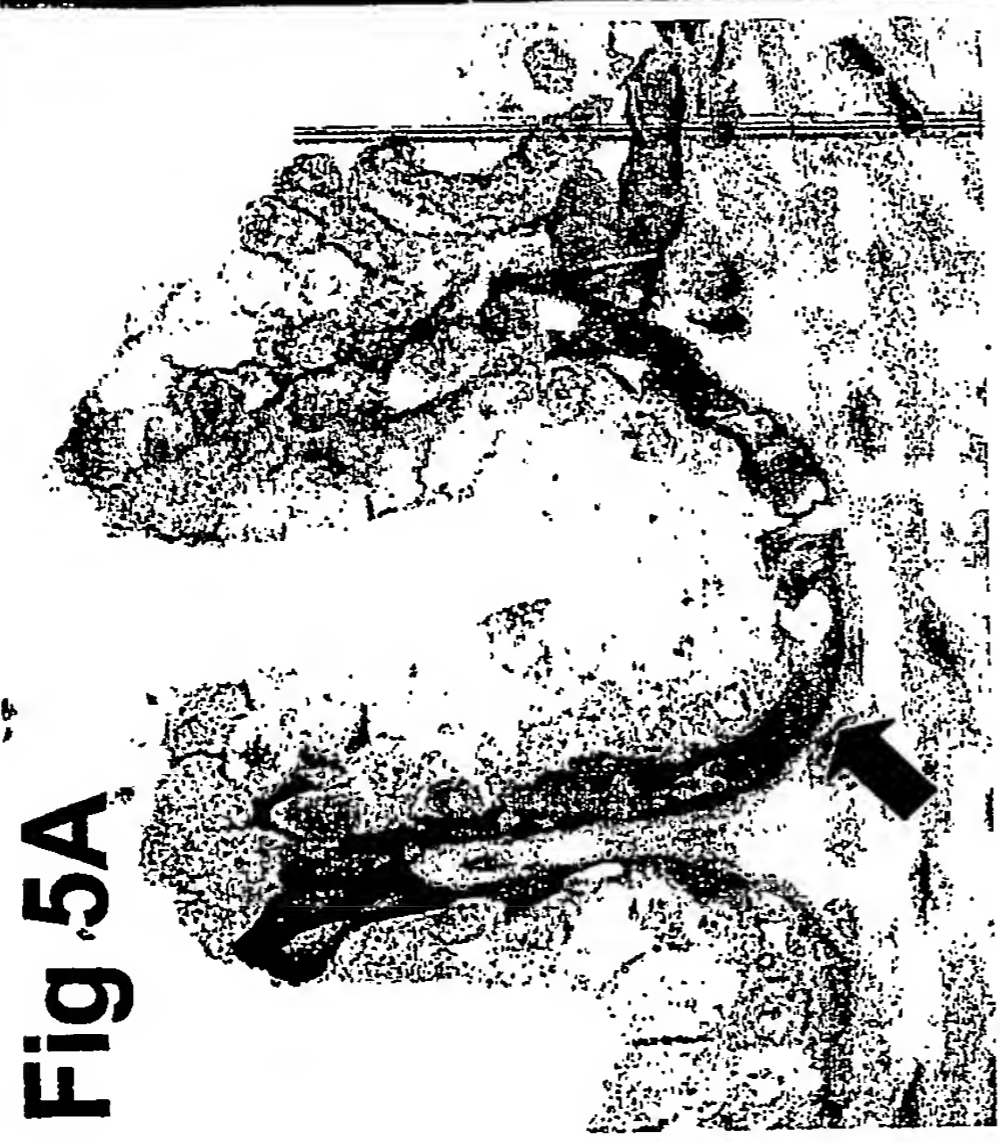
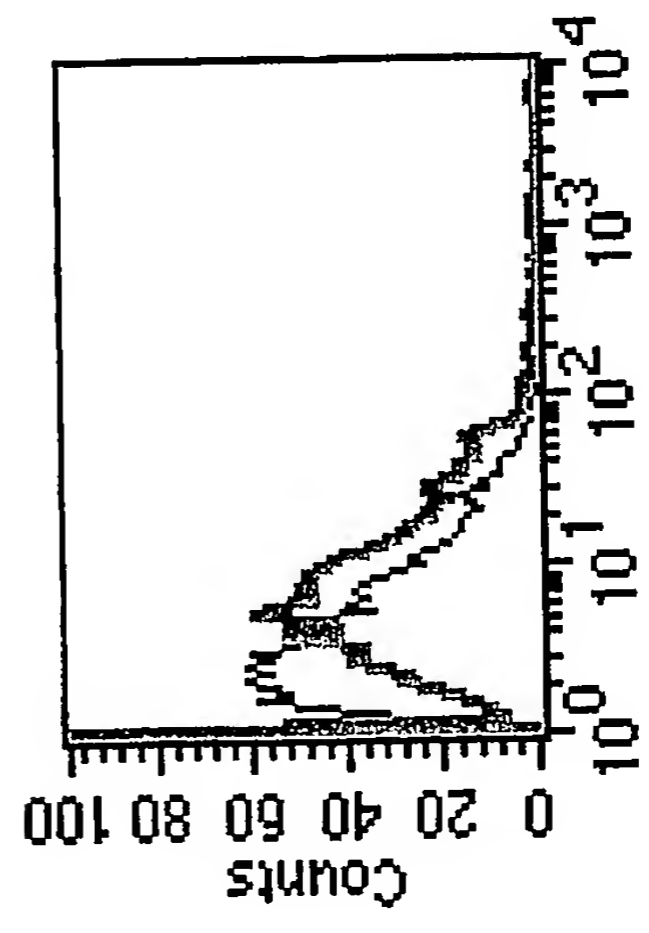


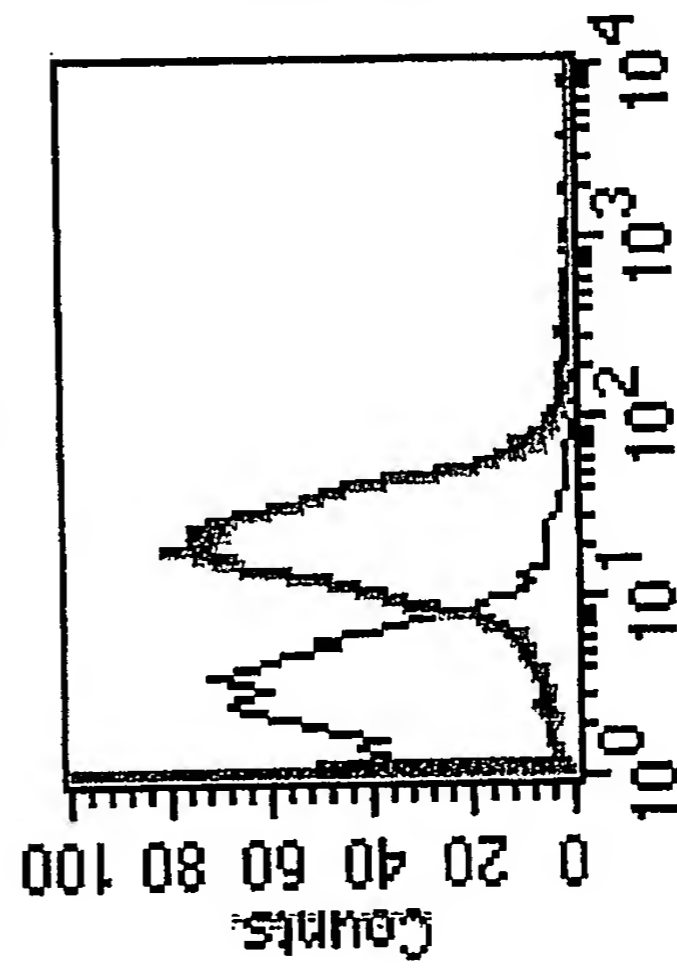
Fig. 4



LNCaP



PC-3



DU145

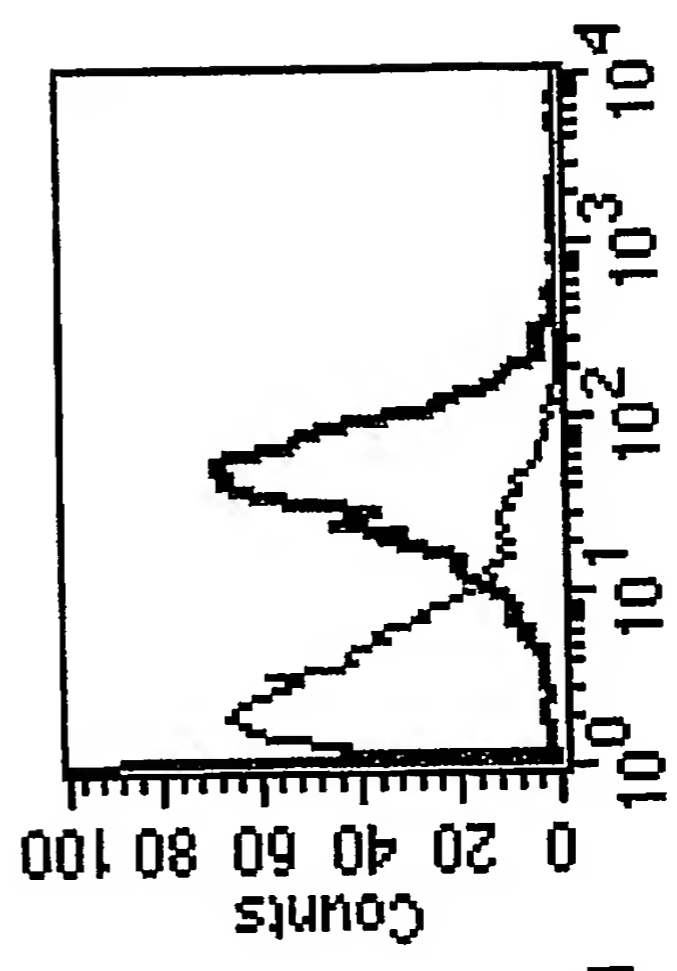


Fig. 5C/1

Fig. 5C/2

Fig. 5C/3

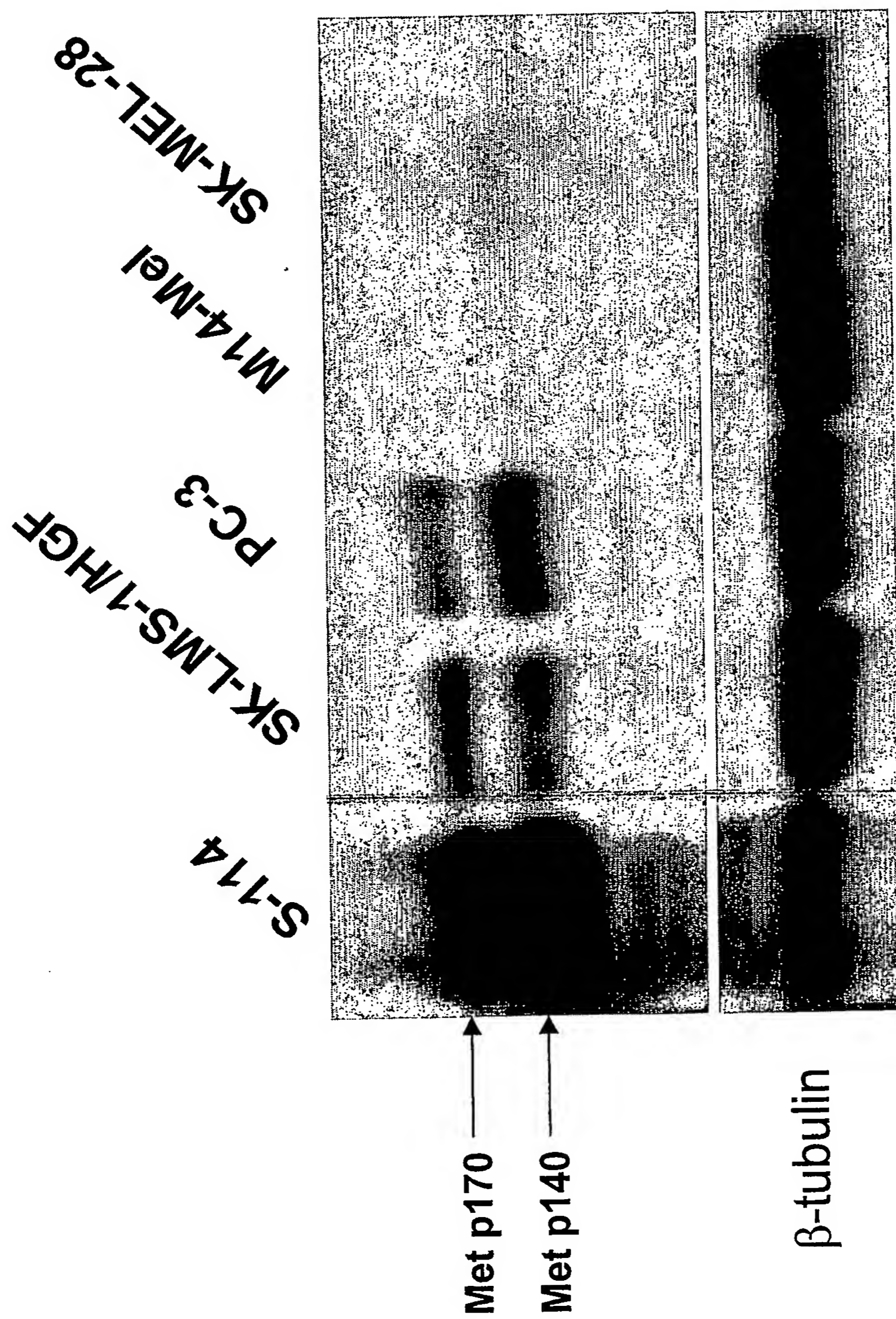
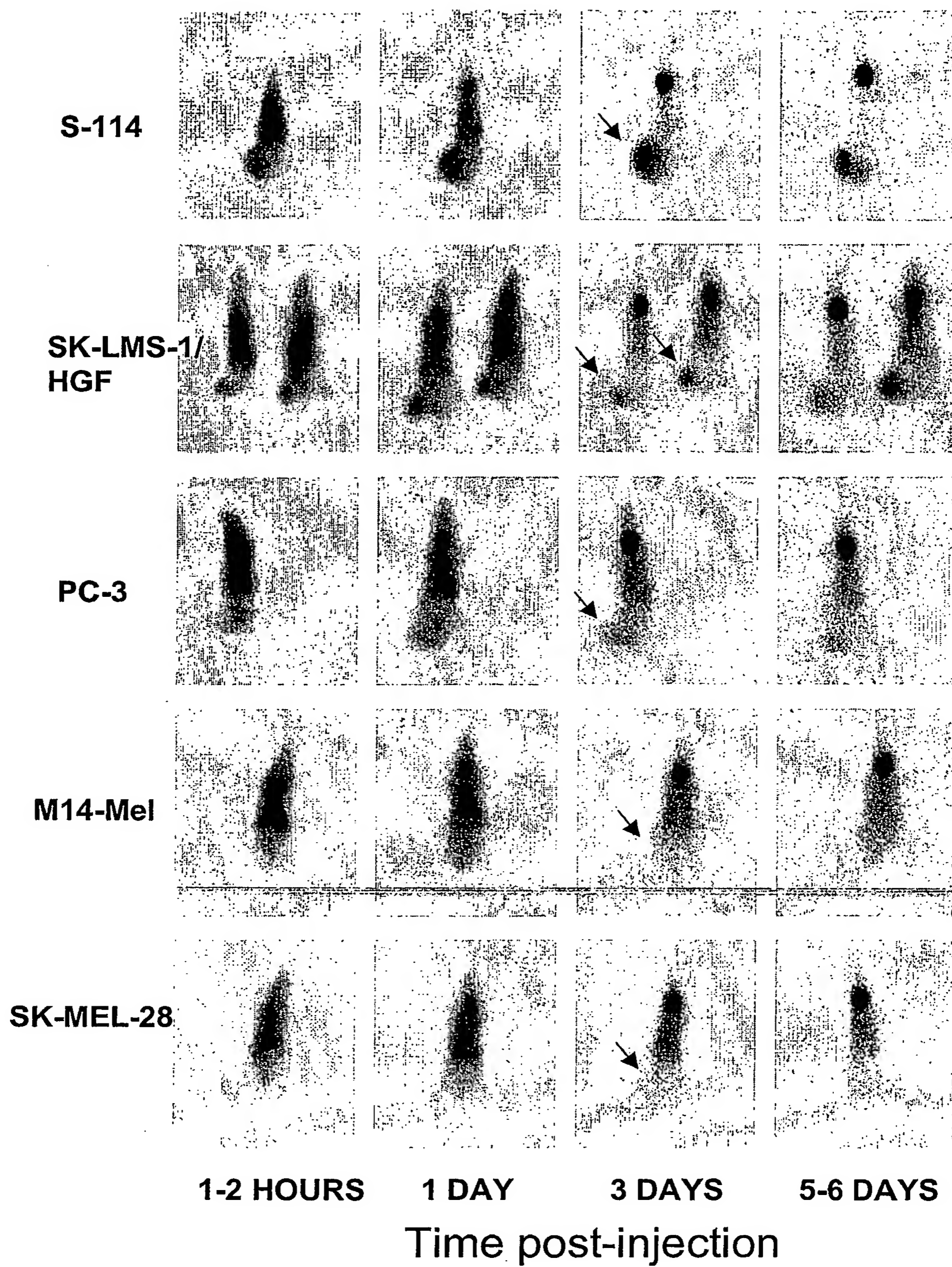
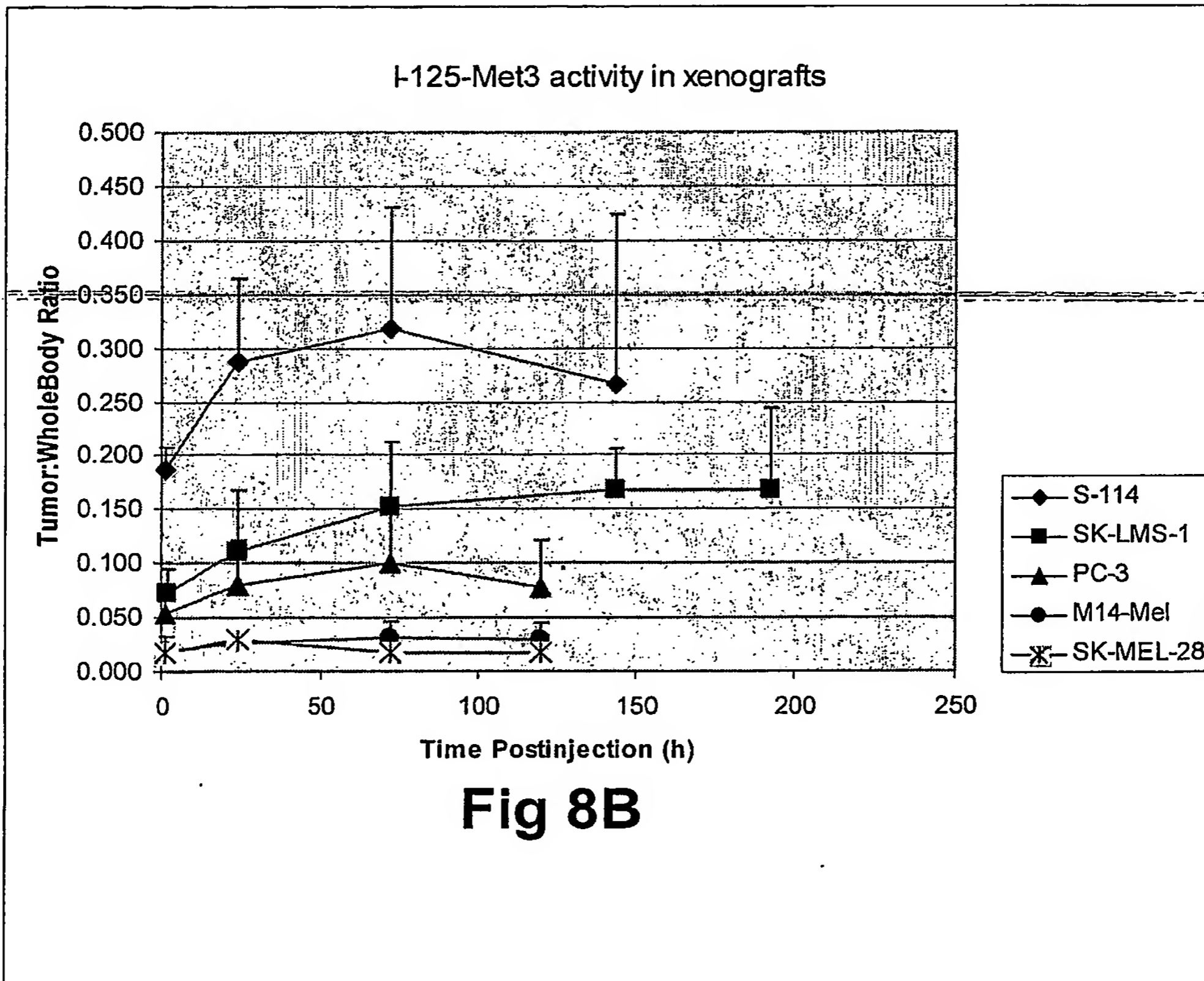
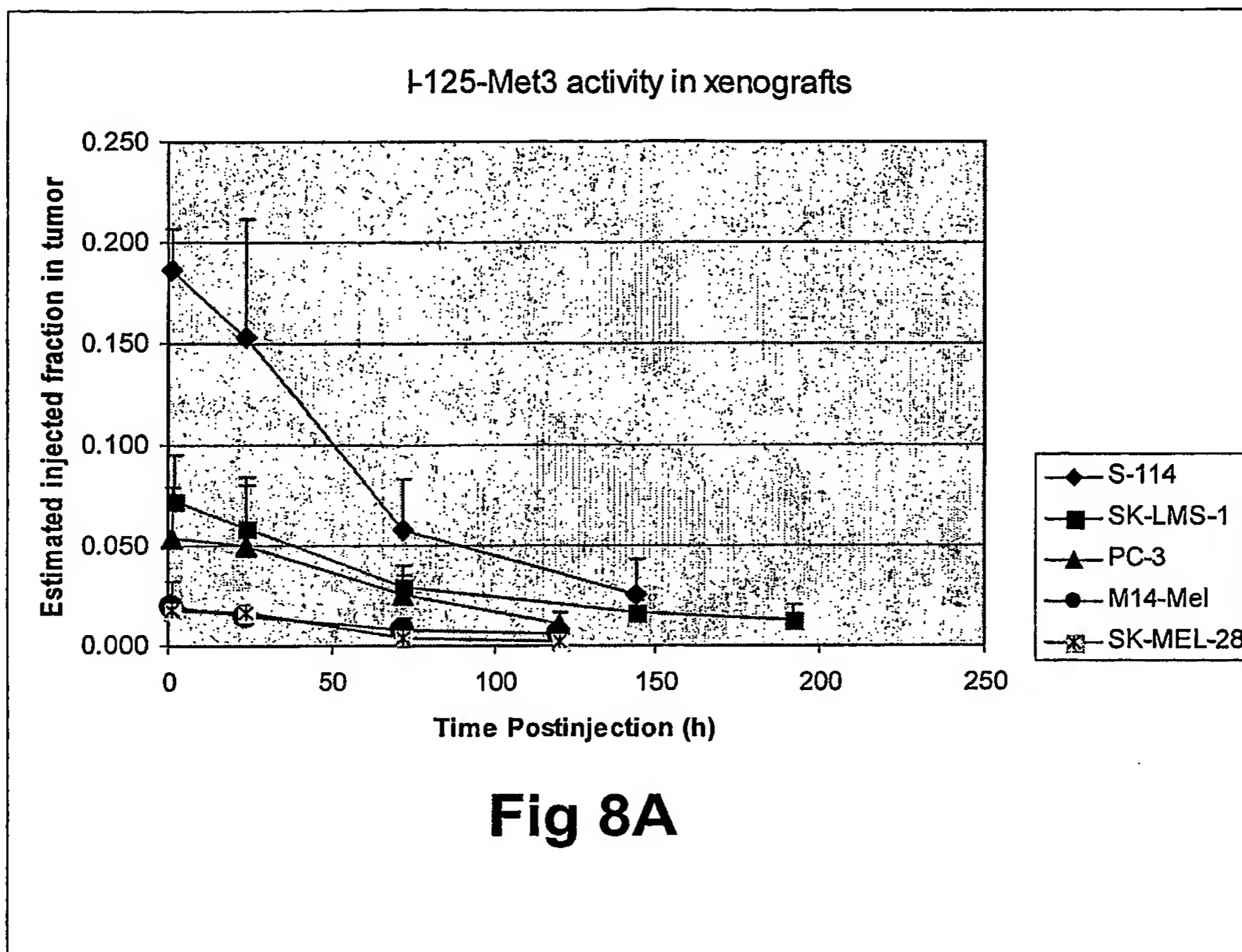
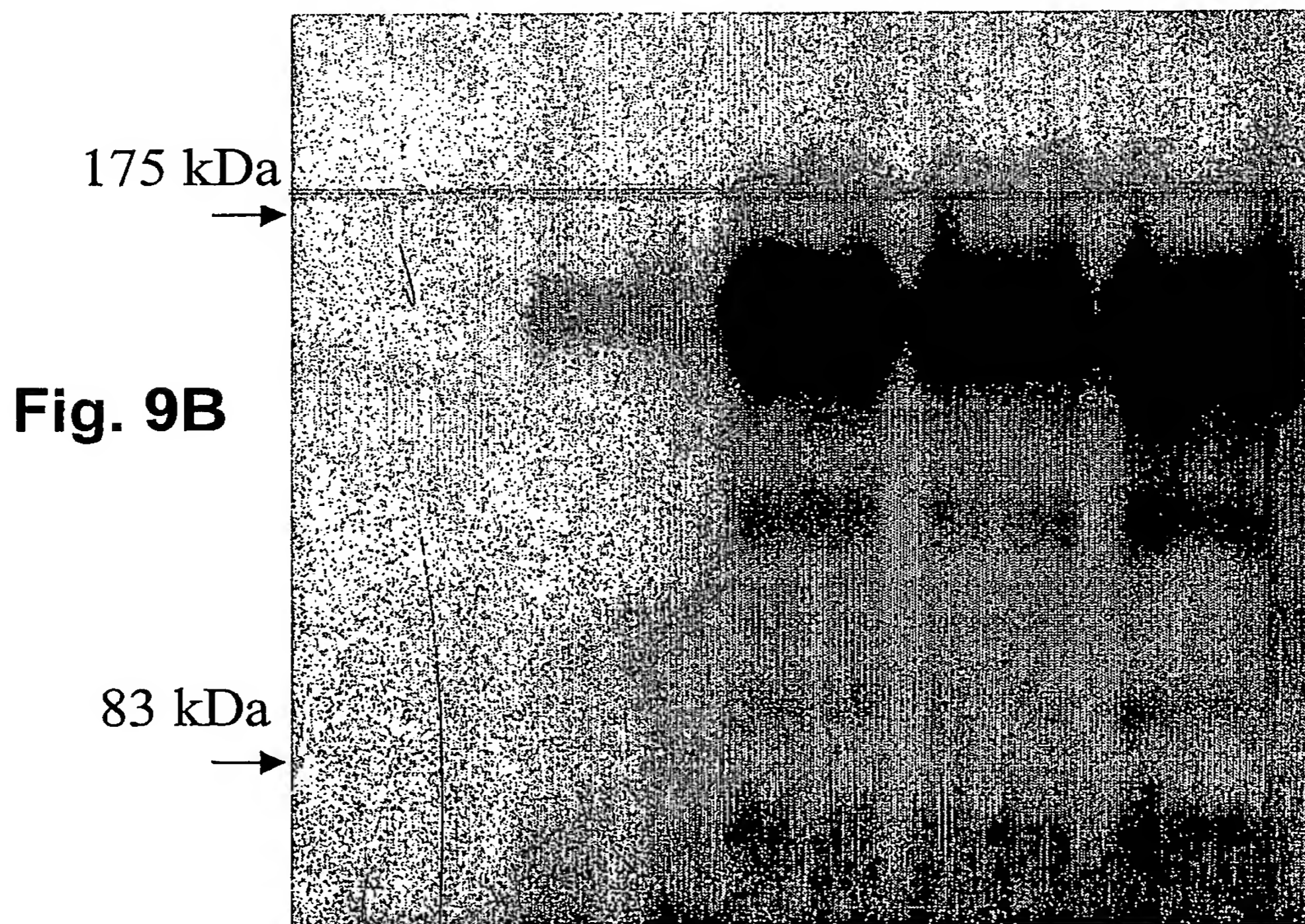
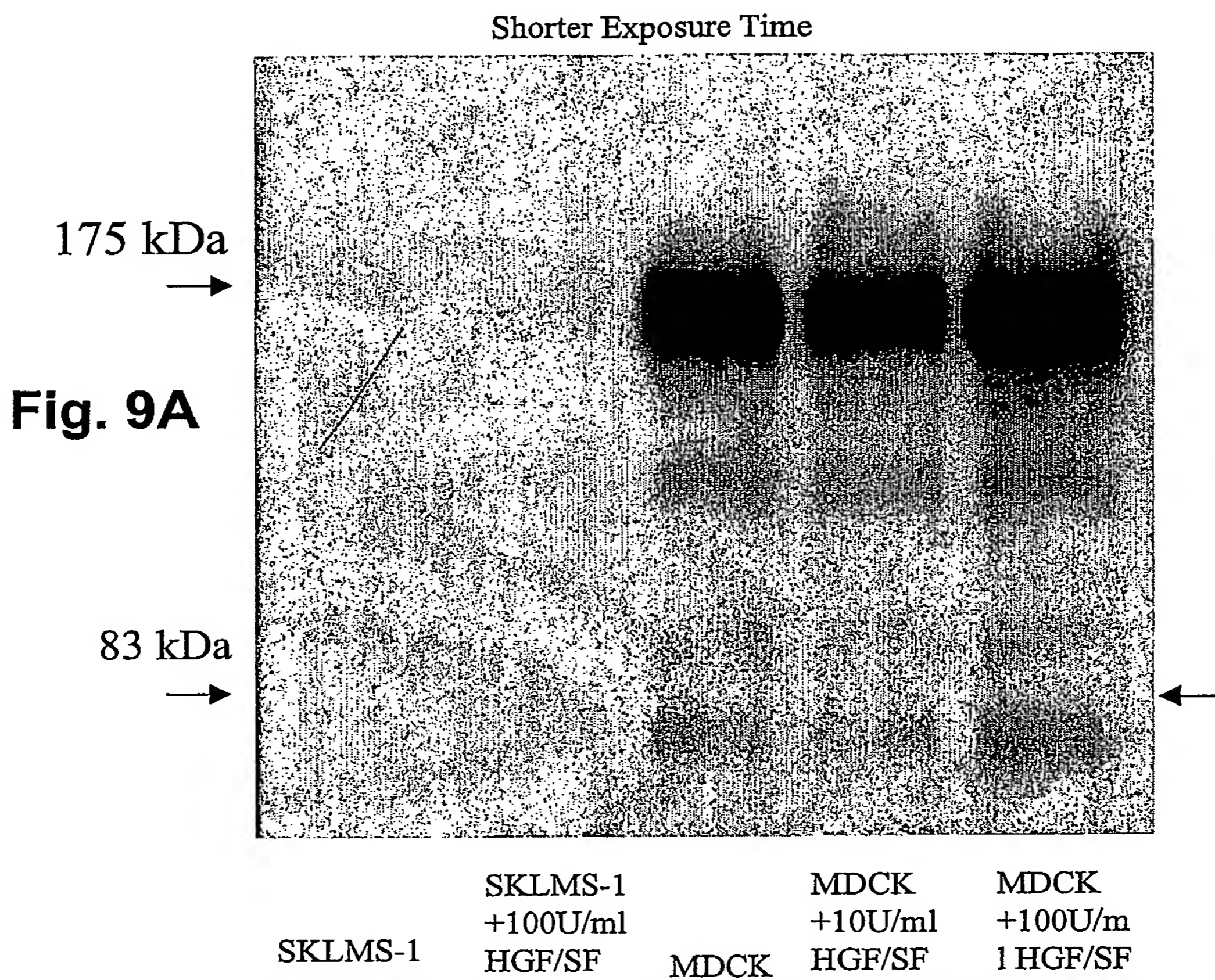
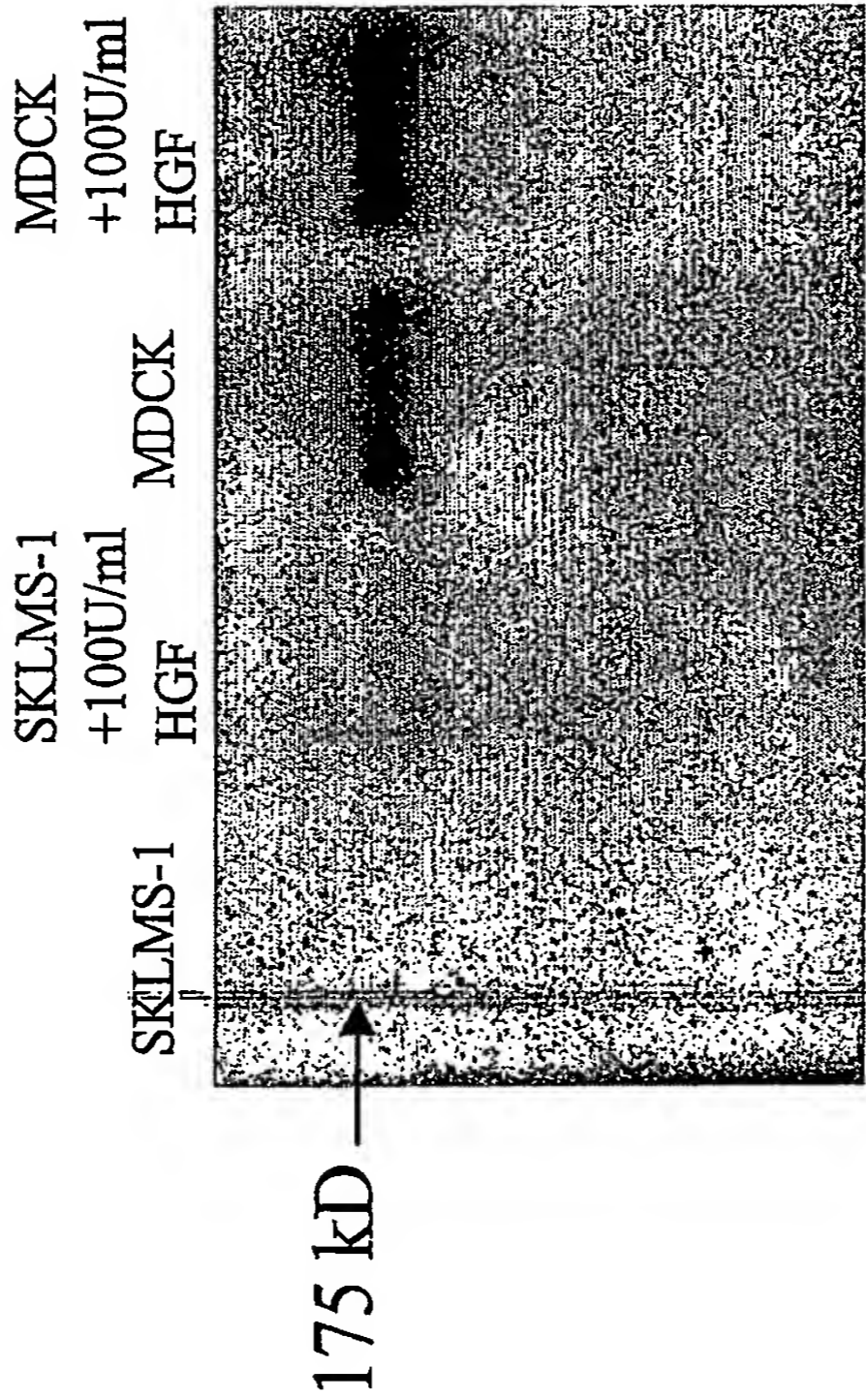


Fig 6

**Fig. 7**







Met5 immunoprecipitates

Fig. 10

Fig. 11A

Indicator alone

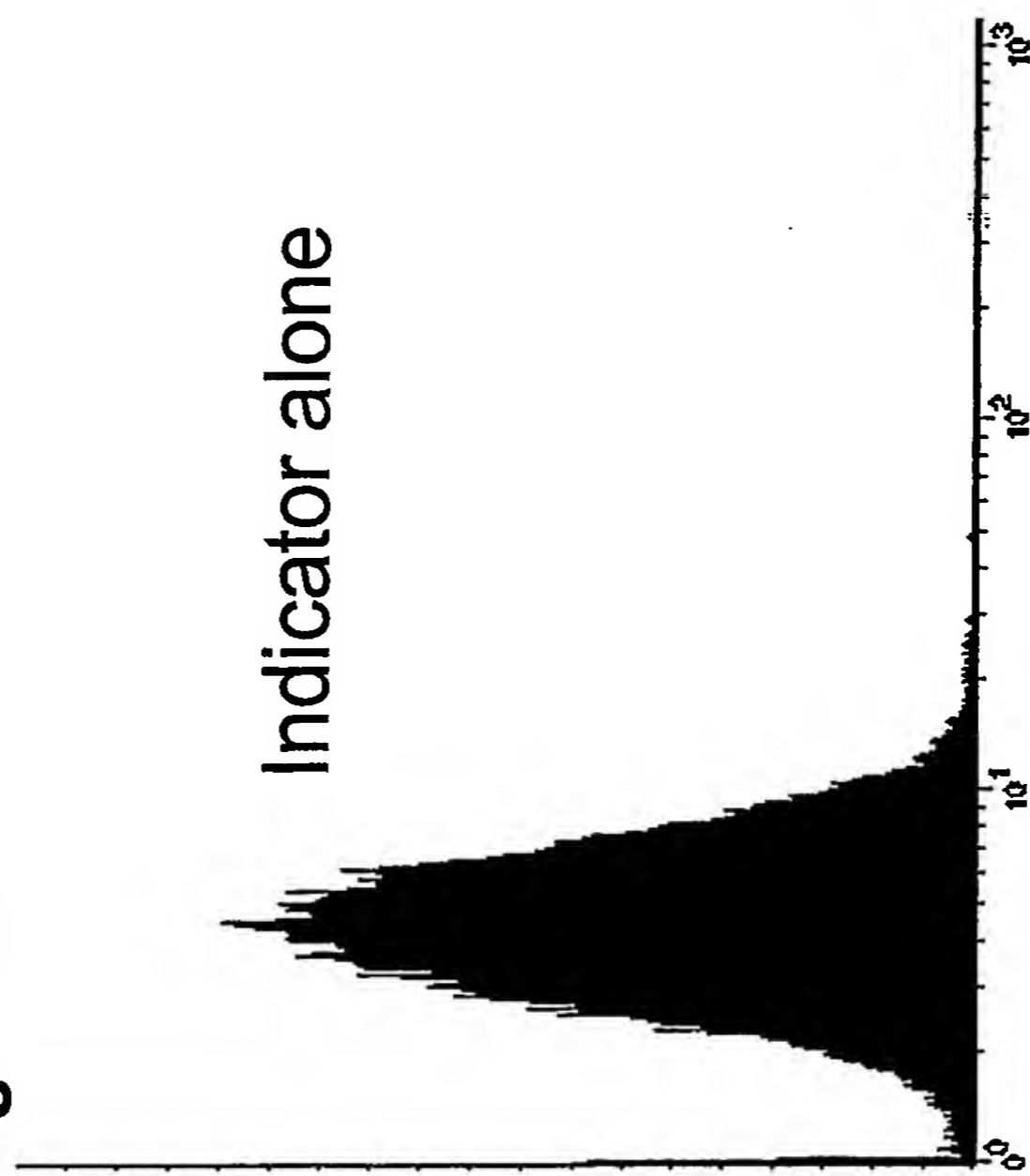


Fig. 11B

PC-3 +
indicator

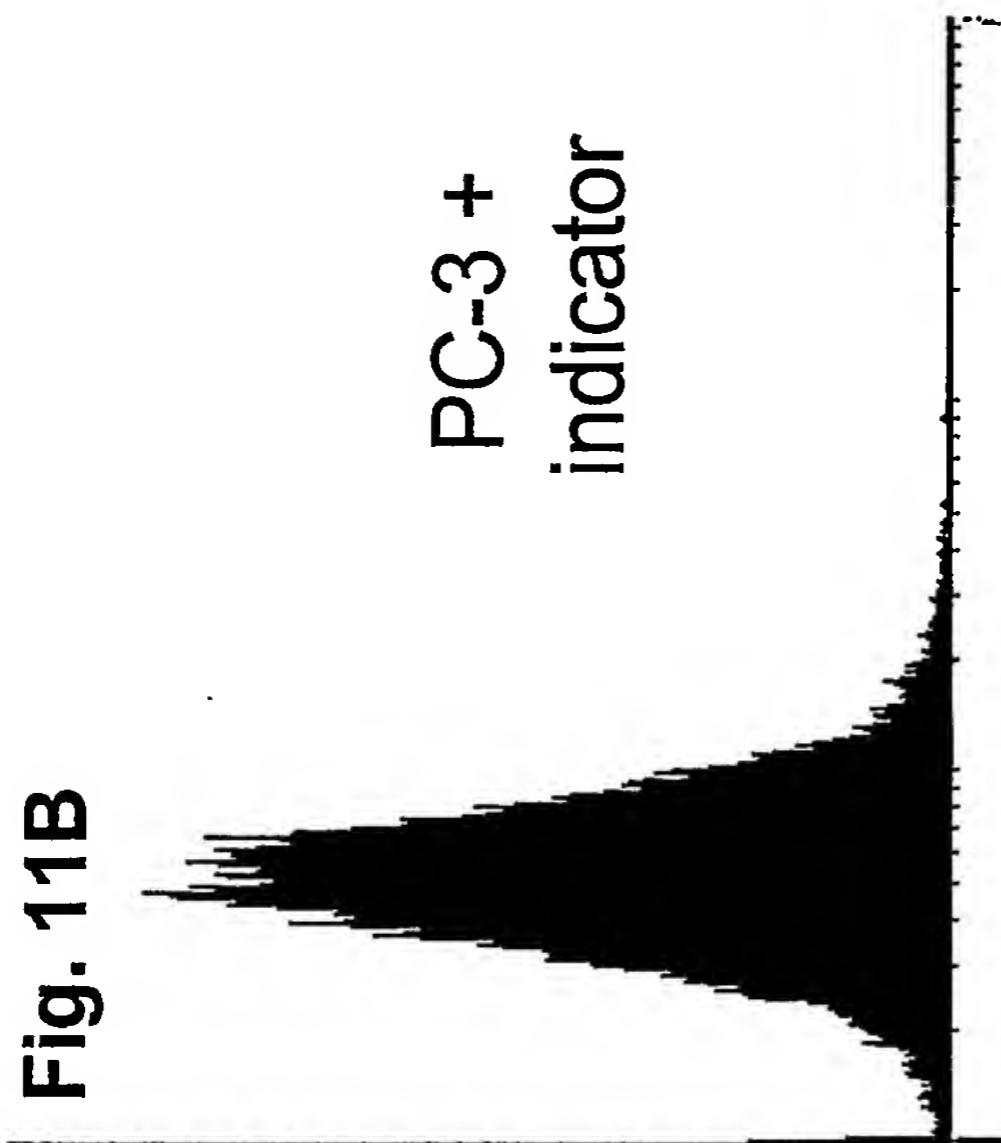


Fig. 11C

PC-3
+ Met3
+ Indicator

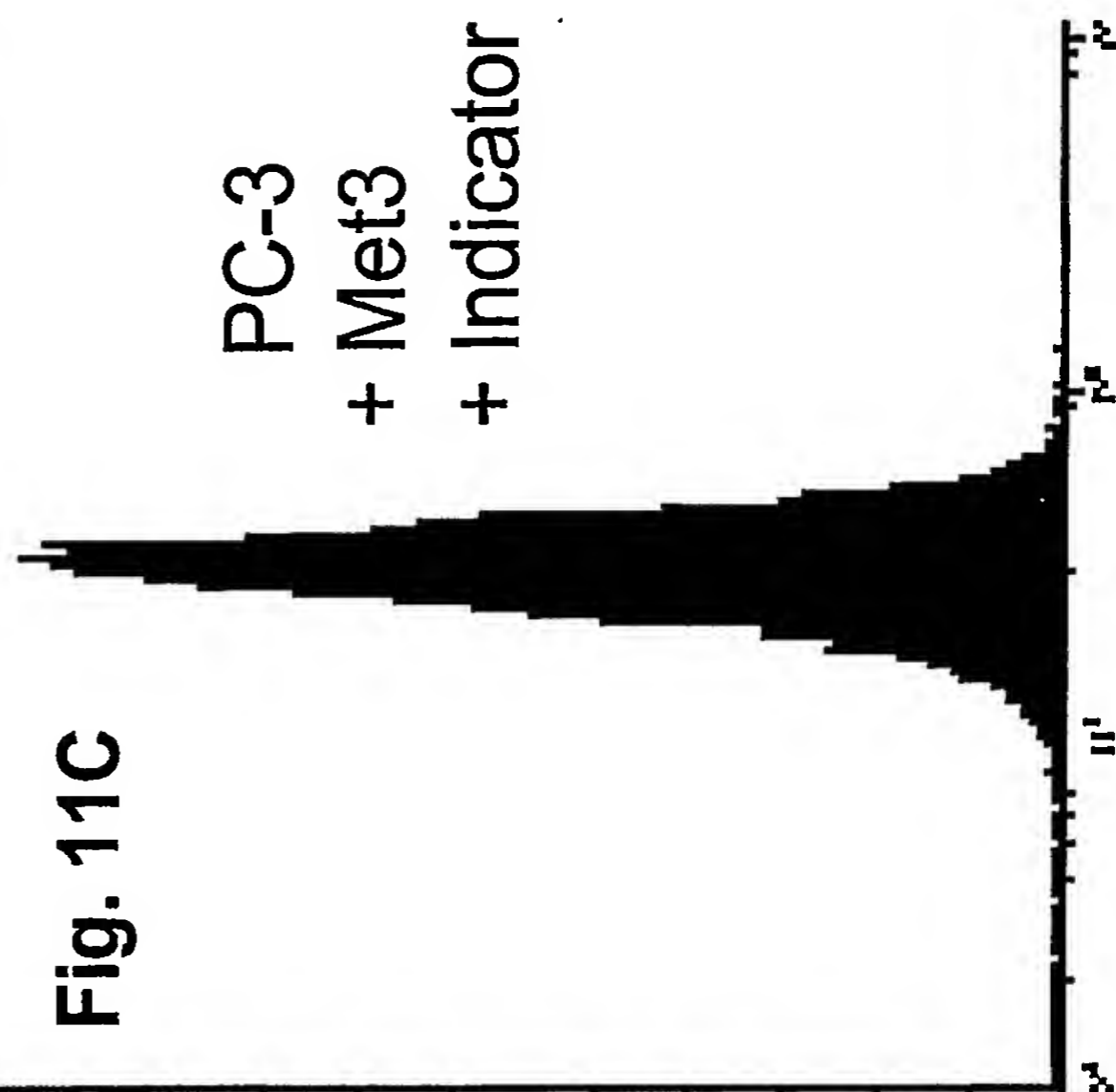
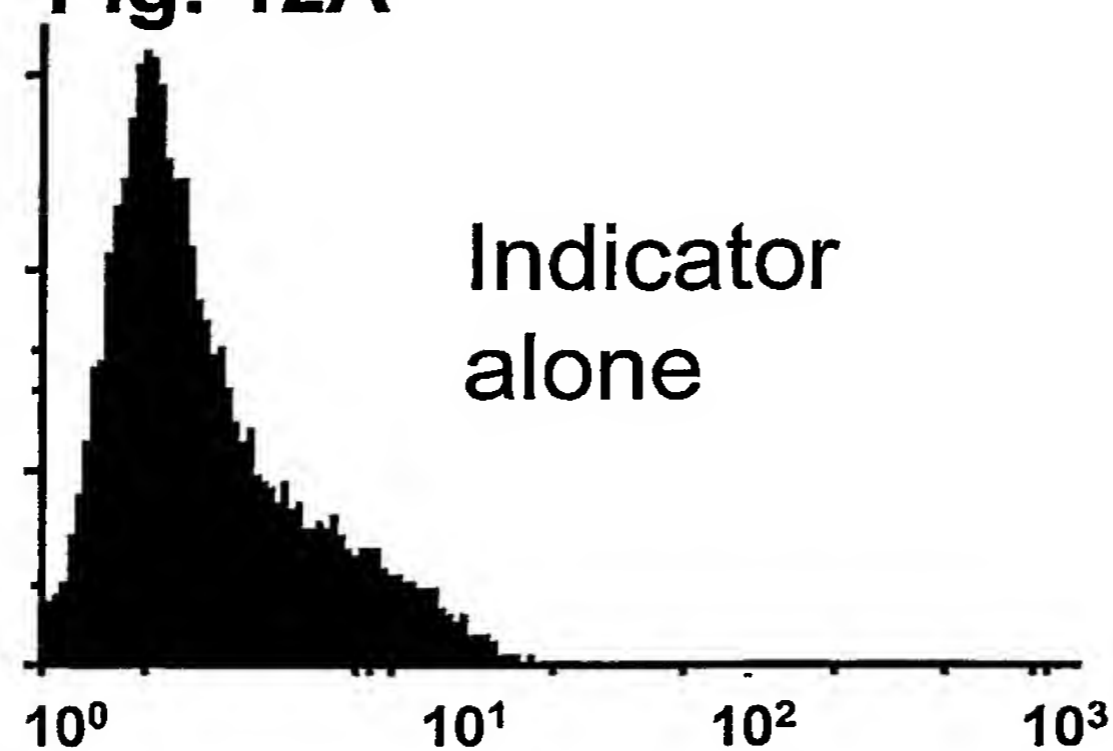
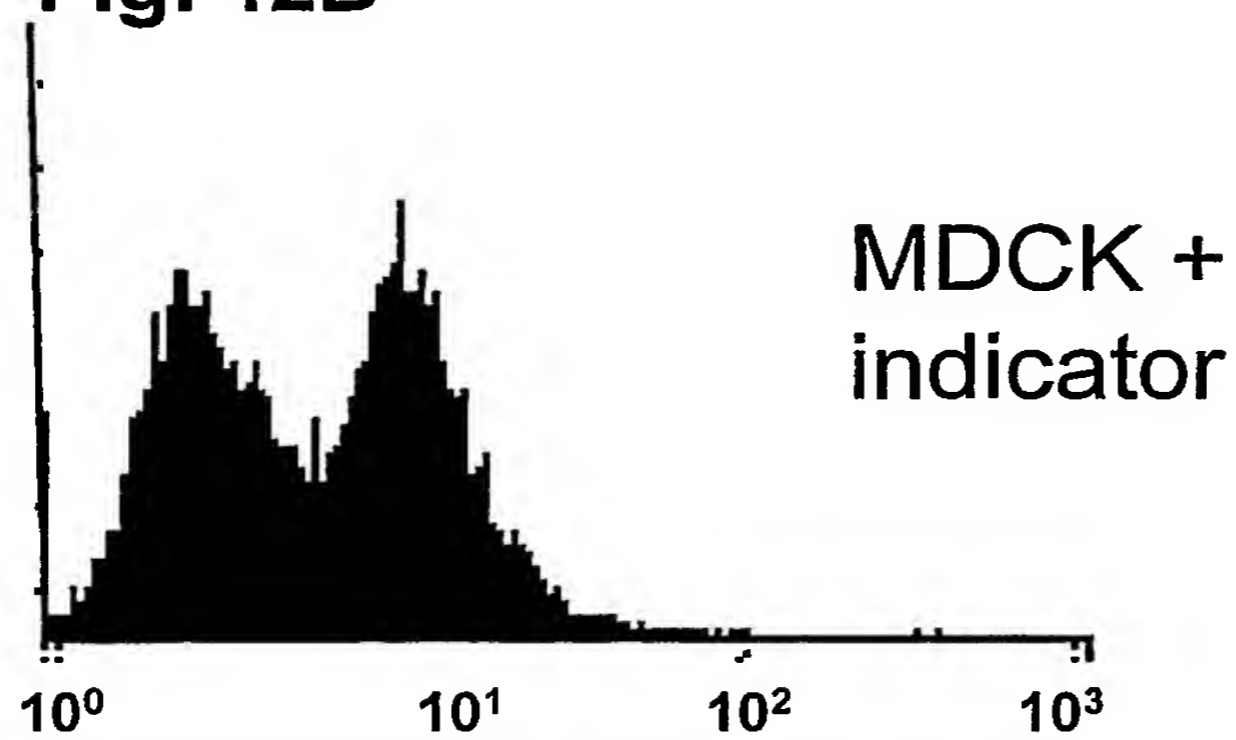
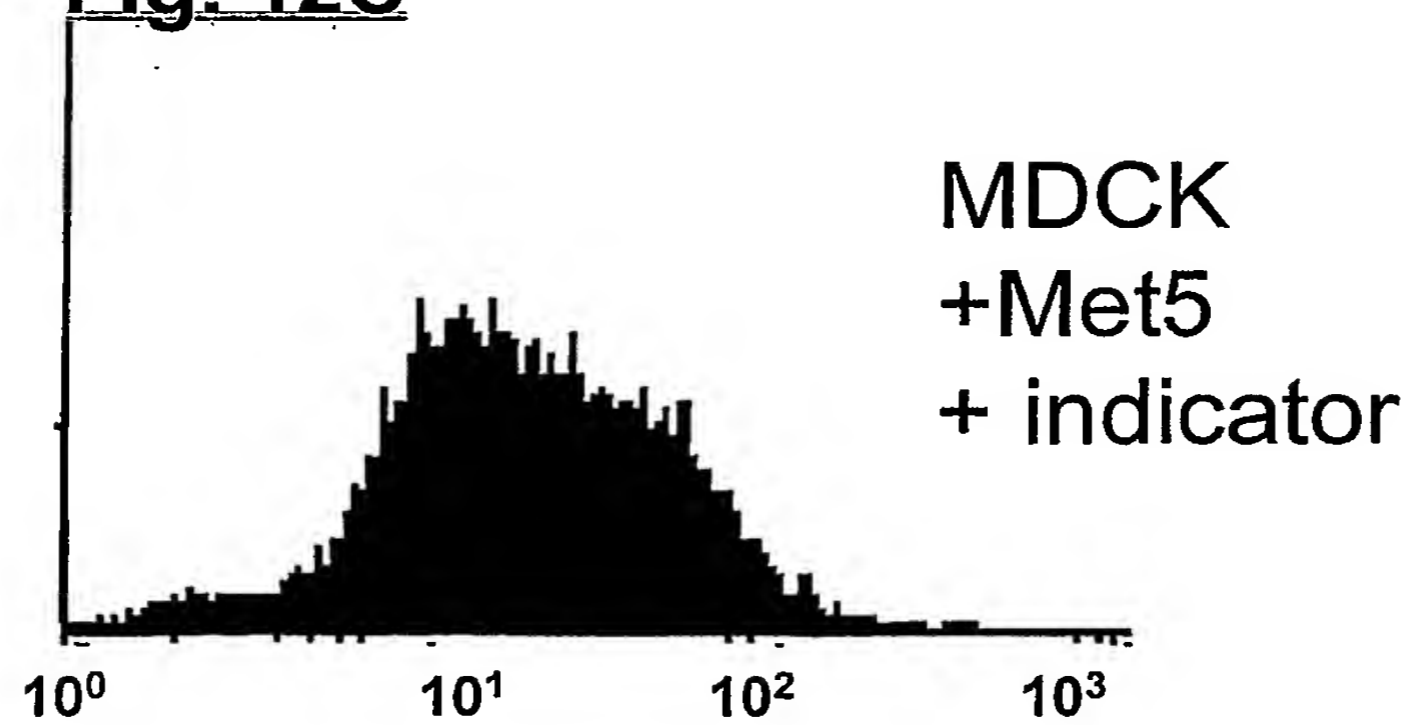
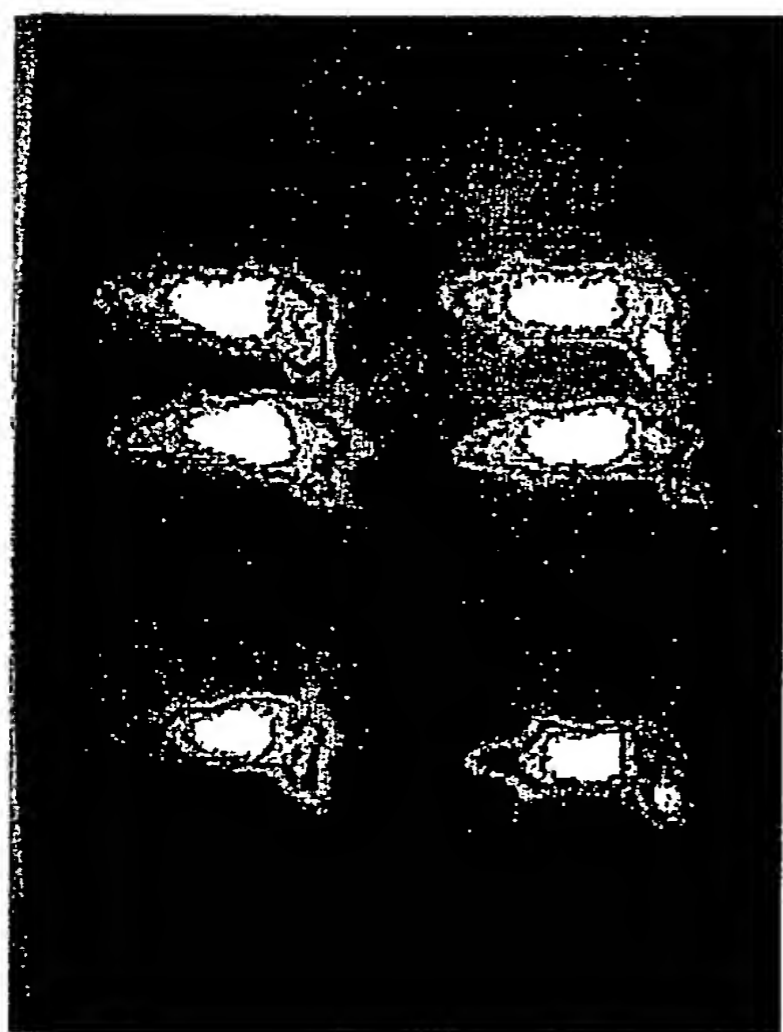


Fig. 12A**Fig. 12B****Fig. 12C**

Tumor

CNE-2

769-P



1h

Fig. 13A

1d

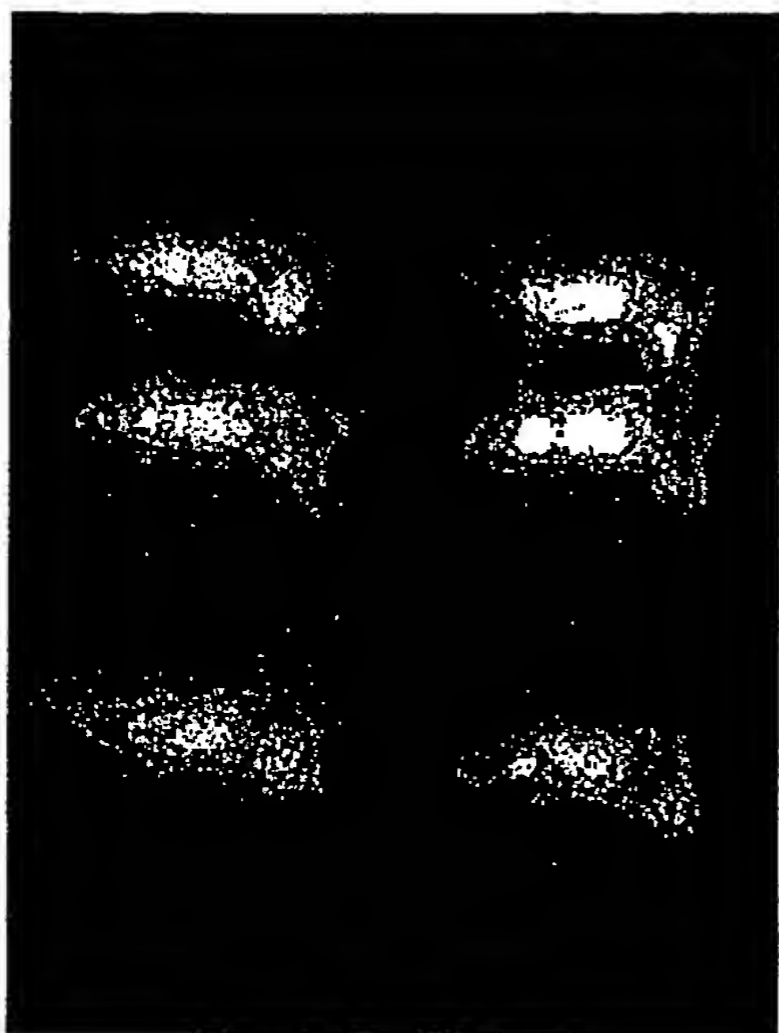
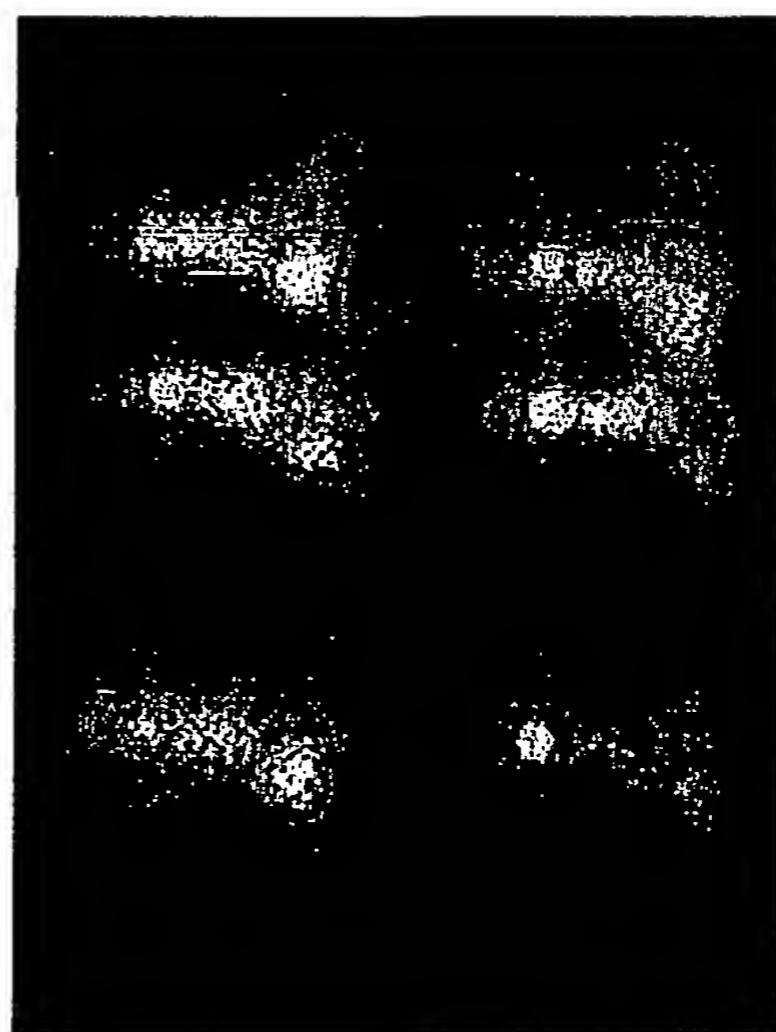


Fig. 13B

CNE-2

769-P



3d

Fig. 13C

5d

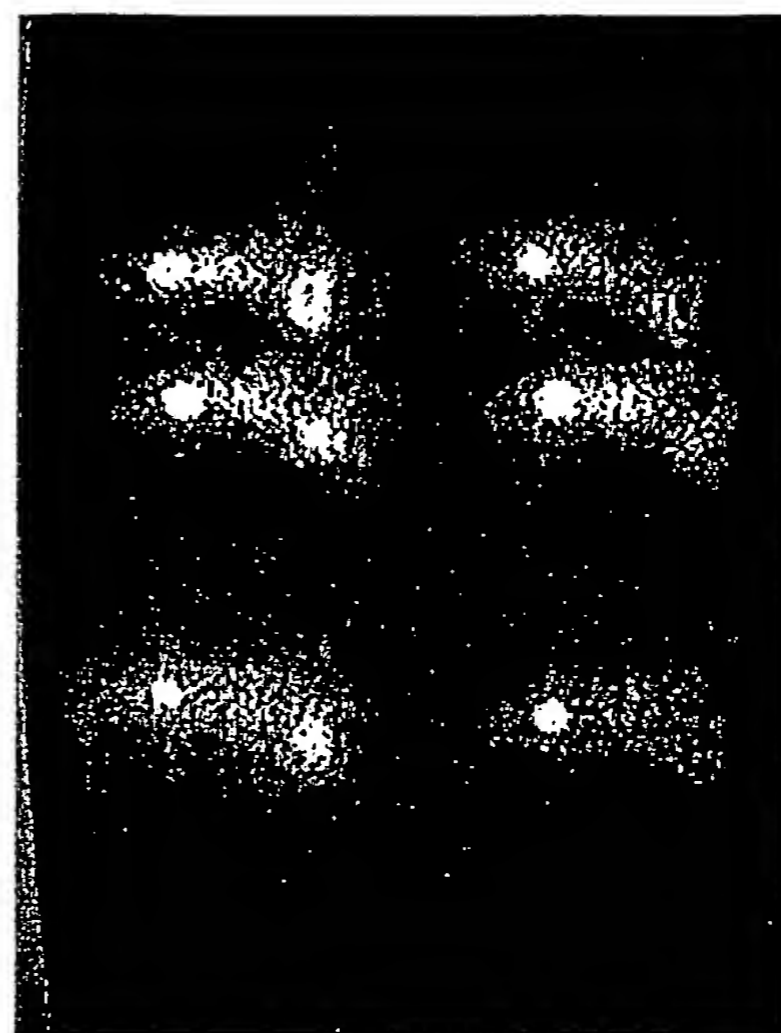


Fig. 13D

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